

FIG 1

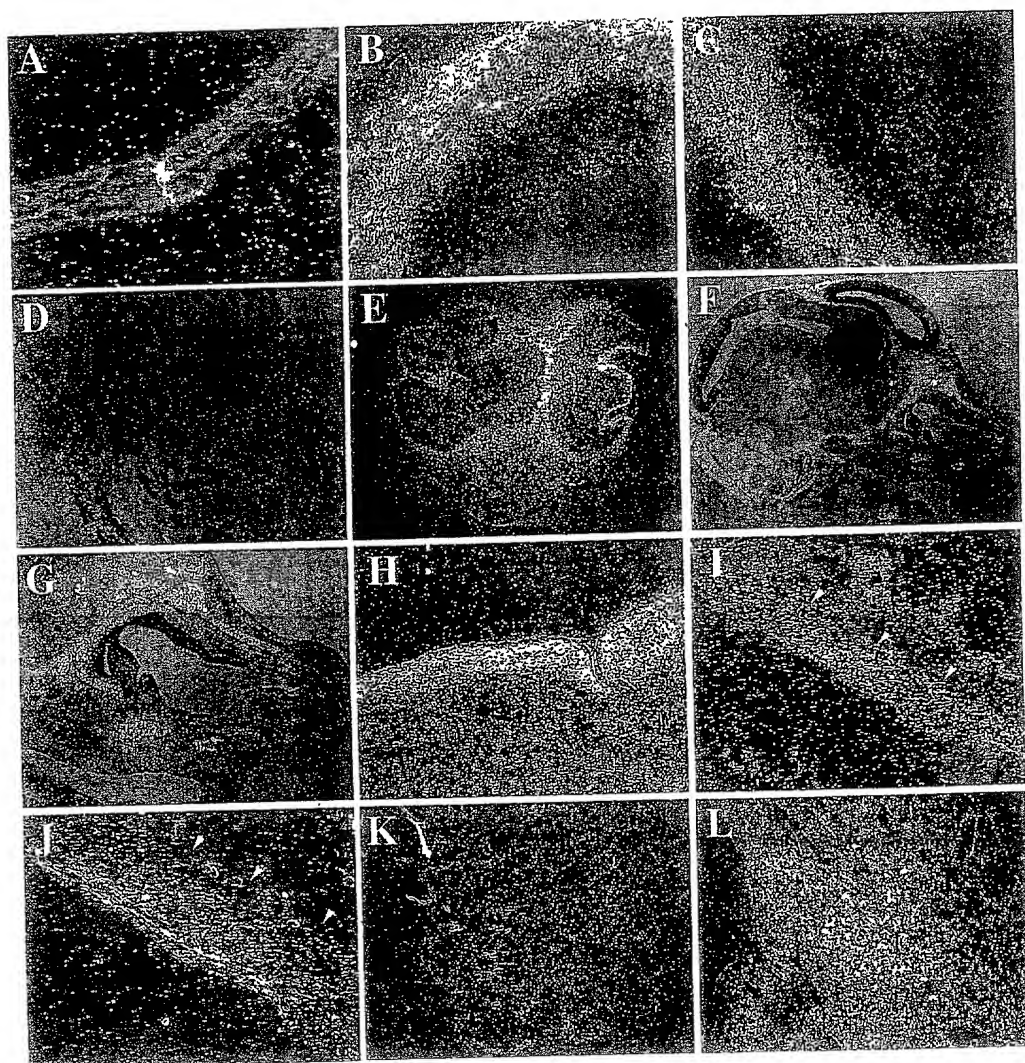


FIG. 2

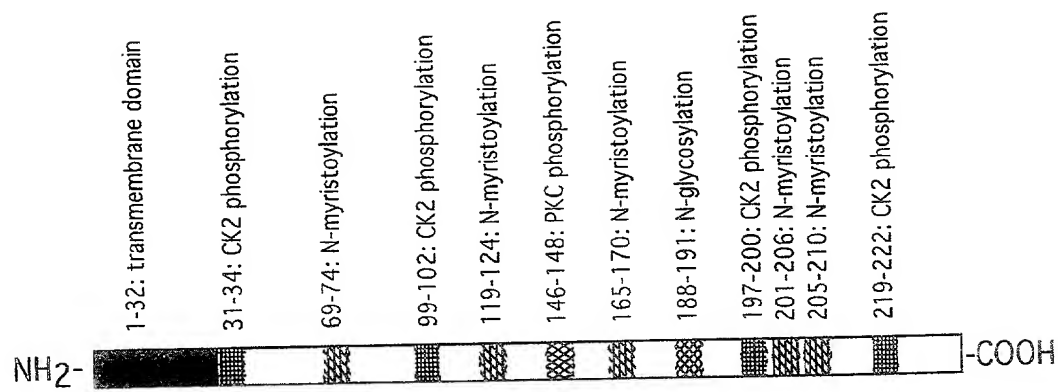


FIG. 3

	30	40	50	60	70
Rat	ATGCGGCGCGCGCCGAGAGCTGGGC-----CAGACGCTGAGCAGGCGCGGCTCTGCGGAC				
Human	ACGAGGGCGGCGCTCGGAGCGCGCGGAGCGAGAGCTGAGCAGCTTCTCTCTCGGTC				
	10	20	30	40	50
	60	70	80	90	100
Rat	CCCTTTGCTCTCTGCTCTGCGCTTCCGAGCTACCGCACAGGATGACACCCCAAGSCCGG				
Human	TCCTCCGCTTCAGCTCCGCGCTGCGCGGAGCGCGGAGGCGCTGACACCCCAAGSCCGG				
	110	120	130	140	150
Rat	CCGCGCTCCCGCAGCTGCTGCTCGGCTCTTCTTGTGCTACTGCTGCTCTGCAAGTGT				
Human	CCGCGCTCCCGCAGCGGCTCCGCGGCTCTCT-----GCTGCTCTCTGCTGCAAGTGT				
	160	170	180	190	200
Rat	CCGCGCGCTCCAGCGCTCTGAGAAATCCCAAGGTGAAGCAAAAGCGCTGATCCGCGCAGA				
Human	CCGCGCGCTCCAGCGCTCTGAGATCCCAAGGGAGCAAAAGCGCAGCTCCGCGCAGA				
	210	220	230	240	250
Rat	GGGAAGTGGTAGACCTGTATAATGGGATGTGCTACAAGGACCGCAGGAGTTCCTGGTC				
Human	GGGAGGTGGTAGACCTGTATAATGGAAATGTGCTTACAAGGGCCAGCAGGAGTTCCTGGTC				
	260	270	280	290	300
Rat	GGGATGGGAGCCTGGGGCCAAATGGCATTCTGGGCACACCGGAAATCCAGGTCCGGATG				
Human	GGGATGGGAGCCTGGGGCCAAATGGCATTCTGGGTACACCTGGGATCCAGGTCCGGATG				
	310	320	330	340	350
Rat	GATTCAAAGGAGAGAAAGGGGAGTGTCTAAGGAAAGCTTTGAGGAATCTGGACCCCAA				
Human	GATTCAAAGGAGAGAAAGGGGAAATGTCTGAGGAAAGCTTTGAGGAGTCTGGACCCCAA				
	360	370	380	390	400
Rat	ACTACAAGCAGTGTTCATGGAGTTCATTAATATGGCATAGATCTTGGGAAATTCGCG				
Human	ACTACAAGCAGTGTTCATGGAGTTCATTAATATGGCATAGATCTTGGGAAATTCGCG				
	410	420	430	440	450
Rat	AATGTACATTACAAAAGATGCGATCCAAACAGCGCTCTTCGAGTTCCTGTTCAAGTTCGC				
Human	AGTGTACATTACAAAAGATGCGATCCAAATAGTGTCTAAGAGTTTGTTCAGTGGCTCAC				
	460	470	480	490	500
Rat	TTCGGCTCAAAATGCAGAAATGCTGTGCTCAACGCTGGTATTTACCTTTAATGGAGCTG				
Human	TTCGGCTCAAAATGCAGAAATGCTGTGCTCAACGCTGGTATTTACCTTTAATGGAGCTG				
	510	520	530	540	550
Rat	AATGTTCAAGCCTCTTCCCATTTGAAGTATCATCTATCTGGACCAAGGAAGCCCTGAGT				
Human	AATGTTCAAGCCTCTTCCCATTTGAAGTATCATCTATCTGGACCAAGGAAGCCCTGAGT				
	560	570	580	590	600
Rat	TAAATCAACTATTAATATTCATCGTACTTCCGCGGAGGACTCTGTGAAGGATTG				
Human	TGAATCAACTATTAATATTCATCGTACTTCTCTGTGAAGGACTTTGTGAAGGATTG				
	610	620	630	640	650
Rat	GTGCTGGAGTGGTAGAGCGTGGCCATCTGGGTCCGACCTGTTCAAGTATACCCCAAGGAG				
Human	GTGCTGGAGTGGTAGAGTGGCTATCTGGGTCCGACCTGTTCAAGTATACCCCAAGGAG				
	660	670	680	690	700
Rat	ACGCTTCTACTGGTGGAAATTCGTGTCCCGCATCATTCATTAAGAACTACCAAAATATA				
Human	ATGCTTCTACTGGTGGAAATTCGTGTCCCGCATCATTCATTAAGAACTACCAAAATATA				
	710	720	730	740	750
Rat	GCCCTGAAGGTTTCATTCCTCCCTCATTTACTTGTAAATCAAGCCTCTGGATGGGTC				
Human	TGCTTTAAT--TTTCATTTGCTACCTCTTTT--TTT--TTTATGCTTGGAAATGGTTC				
	760	770	780	790	800
Rat	ATTTAAATGACATTTTCAAGTCACTTATGTGCTCAGCCAAATGAAAGCAAGTTAA				
Human	ACTTTAAATGACATTTTCAAGTCTTATGTATACATCTGAATGAAAA--GCAAGCTAAA				
	810	820	830	840	850
Rat	TACGTTTACAGACCAAGTGTGATCTCACACT---TTAAGATCTAGCATTATCCATTTA				
Human	TATGTTTACAGACCAAGTGTGATCTCACACTGTTTAAATCTAGCATTATCCATTTA				
	860	870	880	890	900
Rat	TTTCAACCAAGATGGTTTCAGGATTTTATTTCTCATTT--GATTACTTTTGTG				
Human	CTTCAATCAAAAGTGGTTTCAATATTTTATTTAGTTGGTAGAATCTTCTTCATAGTCA				
	910	920	930	940	950
Rat	-----AGCCTATATACCGGAATGCTGTATAGTCTTTAATATTTCTACT--GTTGA				
Human	CATTCCTCAACCTATAATTTGGAATATTTGTTGTTGTTTCTTTTCTCTTAGTATA				
	960	970	980	990	1000
Rat	-CATTTTGAARCA--TATAAAGTTATG--TCTTTGTAAGAGCTGTATA-----GAATT				
Human	GCATTTTAAAAAATATAAAGCTACCAATCTTTGTACAATTTGTAATGTTAAGAATT				
	1010	1020	1030	1040	1050
Rat	ATTTT--ATATGTTAAATAA--TGCTTCAACAA				
Human	TTTTTTATATCTGTAAATAAATTTATTTCAACAA				
	1060	1070	1080	1090	1100
Rat	ATTTT--ATATGTTAAATAA--TGCTTCAACAA				
Human	TTTTTTATATCTGTAAATAAATTTATTTCAACAA				
	1110	1120	1130	1140	1150
Rat	ATTTT--ATATGTTAAATAA--TGCTTCAACAA				
Human	TTTTTTATATCTGTAAATAAATTTATTTCAACAA				
	1160	1170	1180	1190	1200
Rat	ATTTT--ATATGTTAAATAA--TGCTTCAACAA				
Human	TTTTTTATATCTGTAAATAAATTTATTTCAACAA				
	1210	1220	1230	1240	1250

Figure 4A

Rat:	1	MHPQGRAASQQLLLGLFLVLLLLLQLSAPSSASENPKVKQKALIRQREVVDLYNGMCLQG	60
		M+PQG+AAAPQ+L+GL+++LLLLLQL+APSSASE+PK+KQKA++RQREVVDLYNGMCLQG	
Human:	1	MRPQGPAAAPQRLRGL--LLLLLQLPAPSSASEIPKQKQKALRQREVVDLYNGMCLQG	58
Rat:	61	PAGVPGRDGSPGANGIPGTGIPGRDGFKEGEGECLRESFEESWTFPNYKQCSWSSLNYGI	120
		PAGVPGRDGSPGANGIPGTGIPGRDGFKEGEGECLRESFEESWTFPNYKQCSWSSLNYGI	
Human:	59	PAGVPGRDGSPGANGIPGTGIPGRDGFKEGEGECLRESFEESWTFPNYKQCSWSSLNYGI	118
Rat:	121	DLGKIAECTFTKMRSNSALRVLFSGSLRLKCRNACCQRWYFTFNGAECGPLPIEAIYIL	180
		DLGKIAECTFTKMRSNSALRVLFSGSLRLKCRNACCQRWYFTFNGAECGPLPIEAIYIL	
Human:	119	DLGKIAECTFTKMRSNSALRVLFSGSLRLKCRNACCQRWYFTFNGAECGPLPIEAIYIL	178
Rat:	181	DQGSPELNSTINIHTSSVEGLCEGIGAGLVDVAIWVGTCSDYPKGDASTGWNSVSRIII	240
		DQGSPE+NSTINIHTSSVEGLCEGIGAGLVDVAIWVGTCSDYPKGDASTGWNSVSRIII	
Human:	179	DQGSPEMNSTINIHTSSVEGLCEGIGAGLVDVAIWVGTCSDYPKGDASTGWNSVSRIII	238
Rat:	241	EELPK 245	
		EELPK	
Human:	239	EELPK 243	

Figure 4B

MRPAAELGQTL SRAGLCRPLCLLLCASQLPHTMHPQGRAASPQLLLGLFLVLLLLLQL  
 SAPSSASENPKVKQKALIRQREVVDLYNGMCLQGPAGVPGRDGSPGANGIPGTPGIPG  
 RDGFKGEKGECLRESFEESWTPNYKQCSWSSLNYGIDLGKIAECTFTKMRSNSALRVL  
 FSGSLRLKCRNACCQRWYFTFNGAECGPLPIEAI IYLDQGSPELNSTINIHR TSSVE  
 GLCEGIGAGLVDVAIWVGTCSDYPKG DASTGWNSVSRI IIEELPK

FIG. 4C

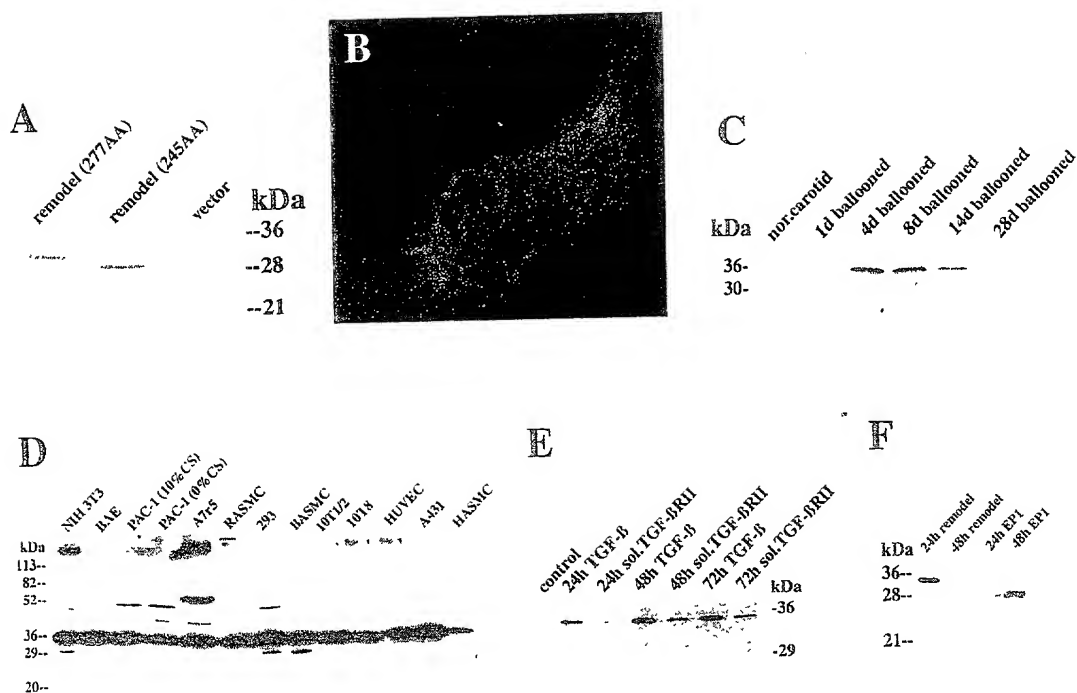


Figure 5

Figure 6

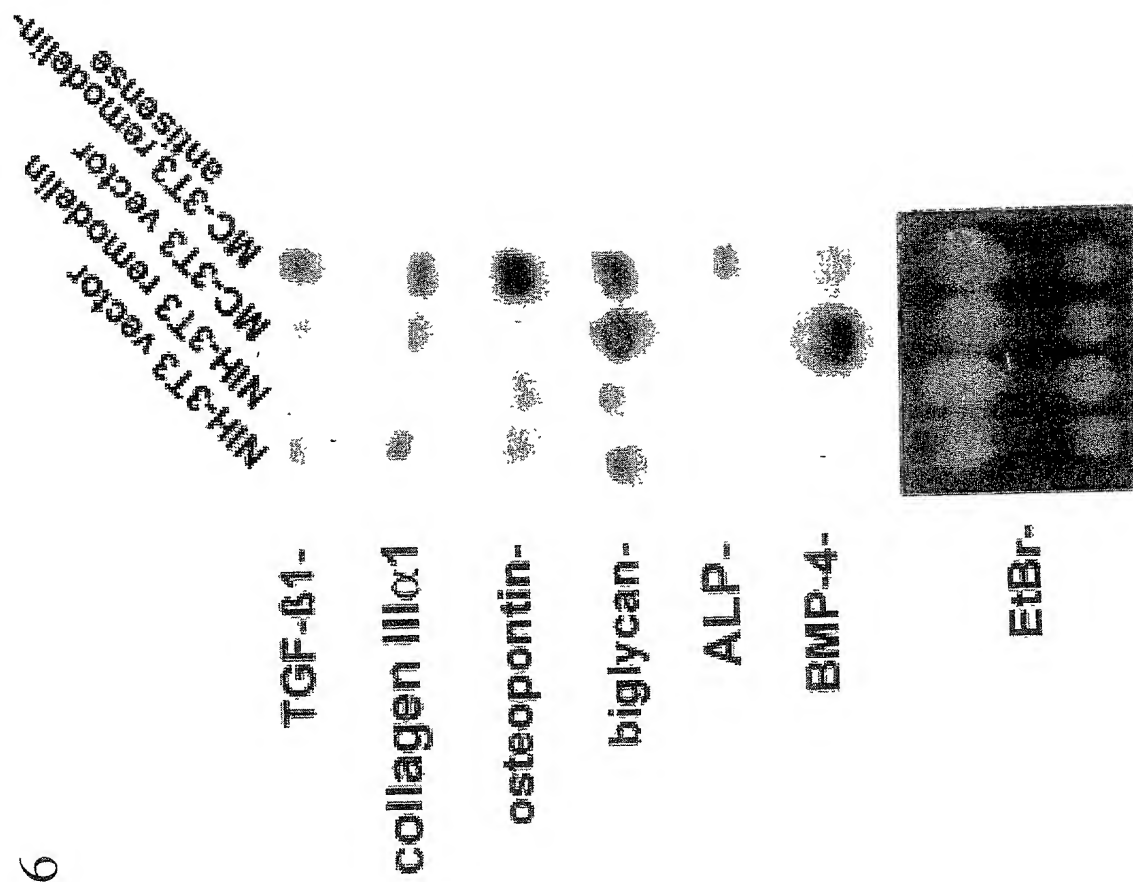




Figure 7

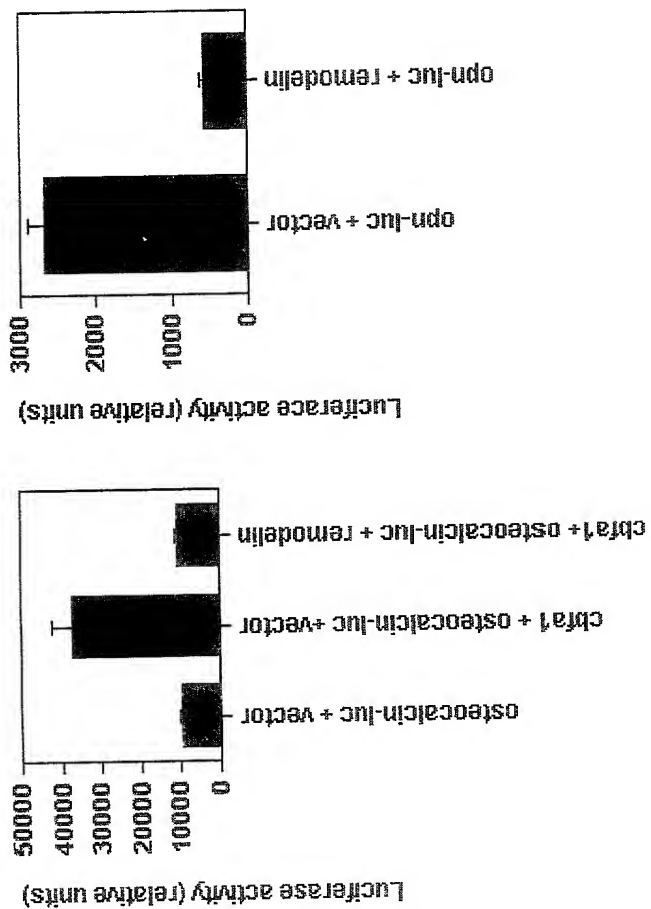
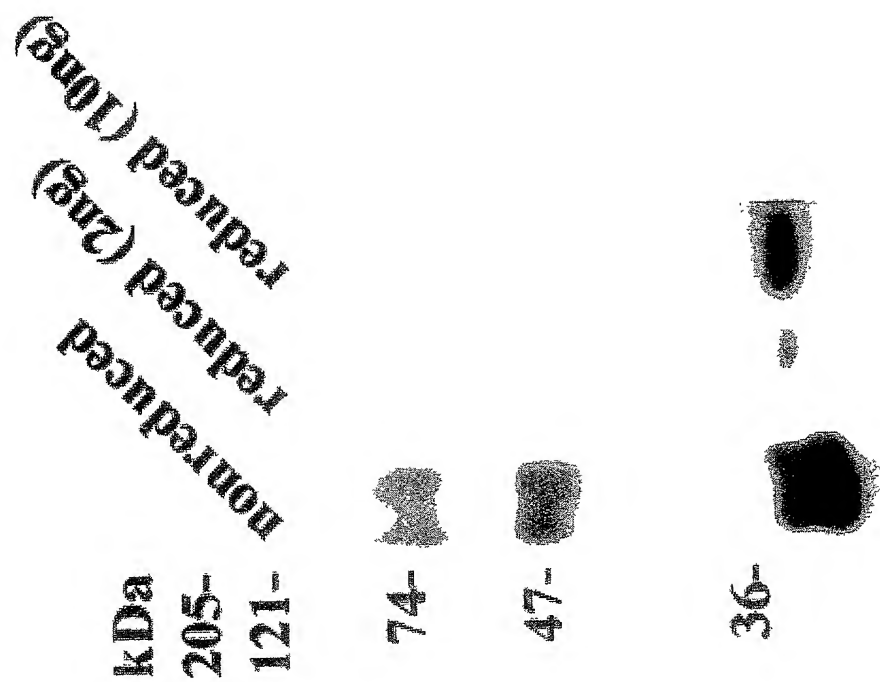


Figure 8



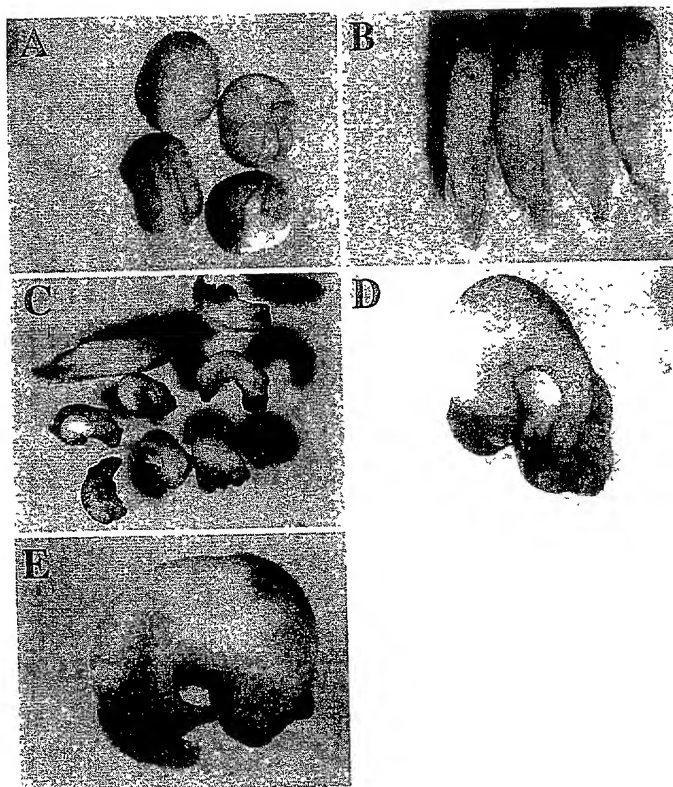


Figure 9

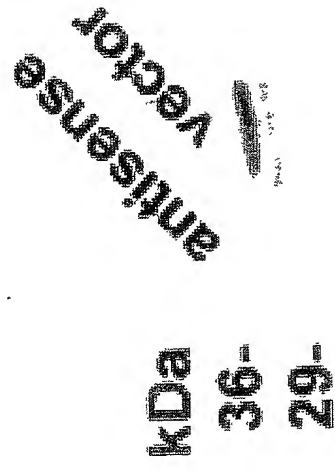
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CGCTGATCCG GCAGAGGGAA GTGGTAGACC TGTATAATGG GATGTGCCTA CAAGGACCAG
CAGGAGTTCC TGGTCGCGAT GGGAGCCCTG GGGCCAATGG CATTCCTGGC ACACCGGGAA
TCCCAGGTCG GGATGGATTG AAAGGAGAGA AAGGGGAGTG CTTAAGGGAA AGCTTTGAGG
AATCCTGGAC CCCAAACTAC AAGCAGTGTT CATGGAGTTC ACTTAATTAT GGCATAGATC
TTGGGAAAAT TGCGGAATGT ACATTACAA AGATGCGATC CAACAGCGCT CTTGAGTTTC
TGTTCAAGTG CTCGCTTCGG CTCAAATGCA GGAATGCTTG CTGTCAACGC TGGTATTTTA
CCTTTAATGG AGCTGAATGT TCAGGACCTC TTCCCATTGA AGCTATCATC TATCTGGACC
AAGGAAGCCC TGAGTTAAAT TCAACTATTA ATATTCATCG TACTTCCTCC GTGGAAGGAC
TCTGTGAAGG GATTGGTGCT GGAAGGTAG ACGTGGCCAT CTGGGTCGGC ACCTGTTTCAG
ATTACCCCAA AGGAGACGCT TCTACTGGGT GGAATTCTGT GTCCCGCATC ATCATTGAAG
AACTACCAAA A

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Figure 10

Figure 11



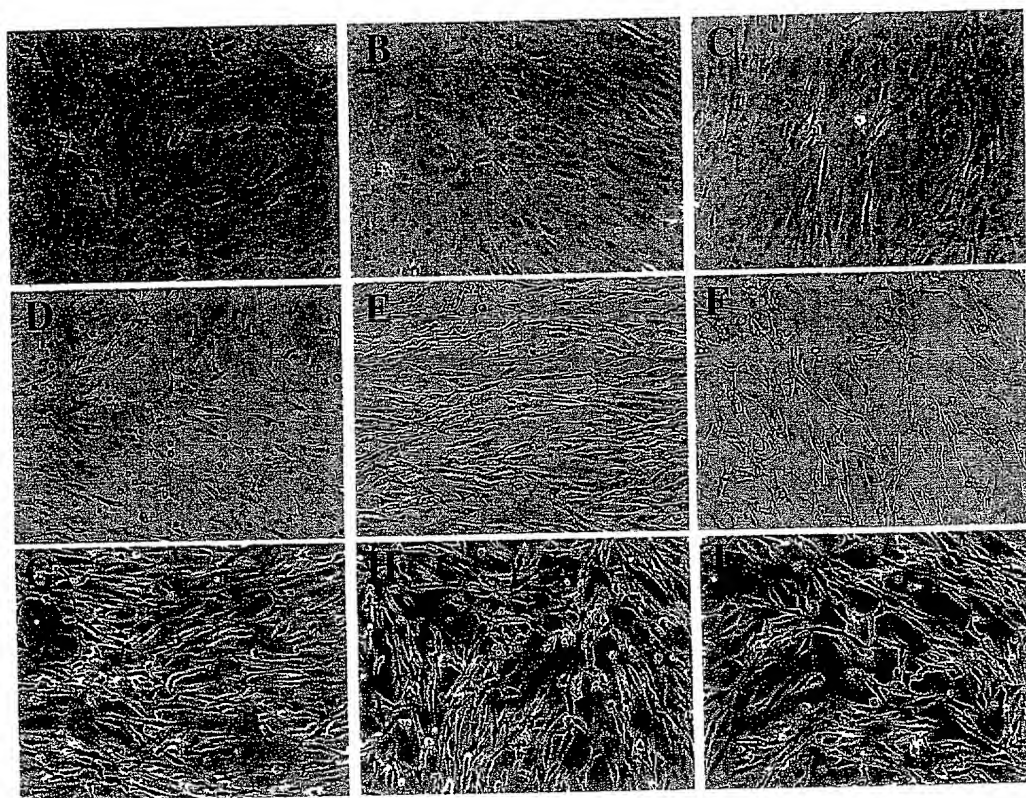


Figure 12

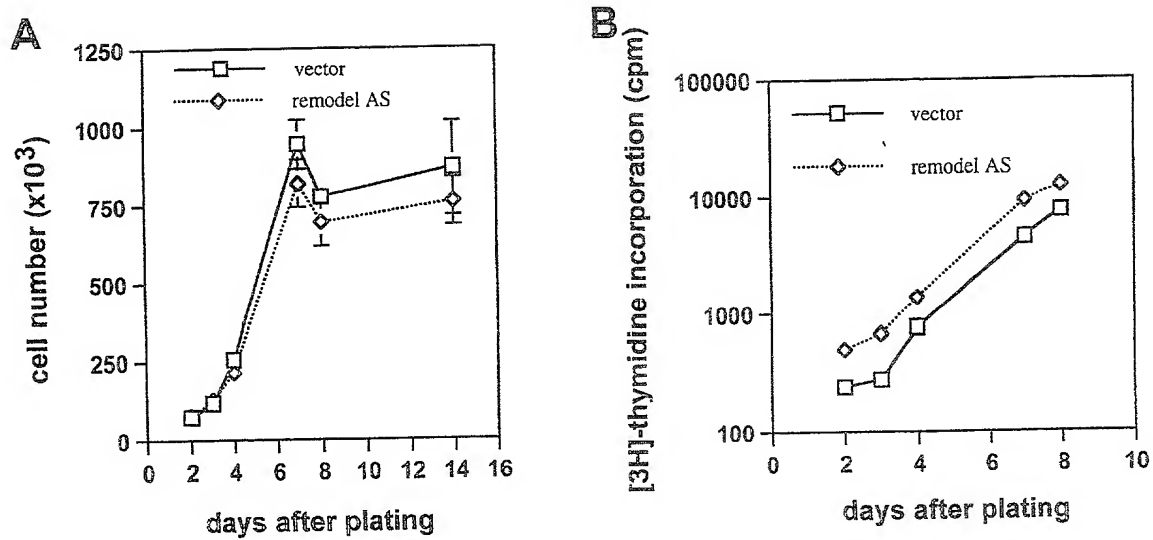


Figure 13

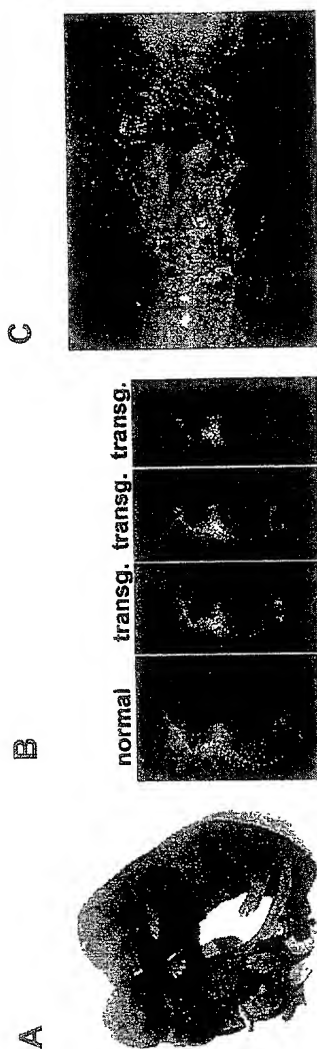
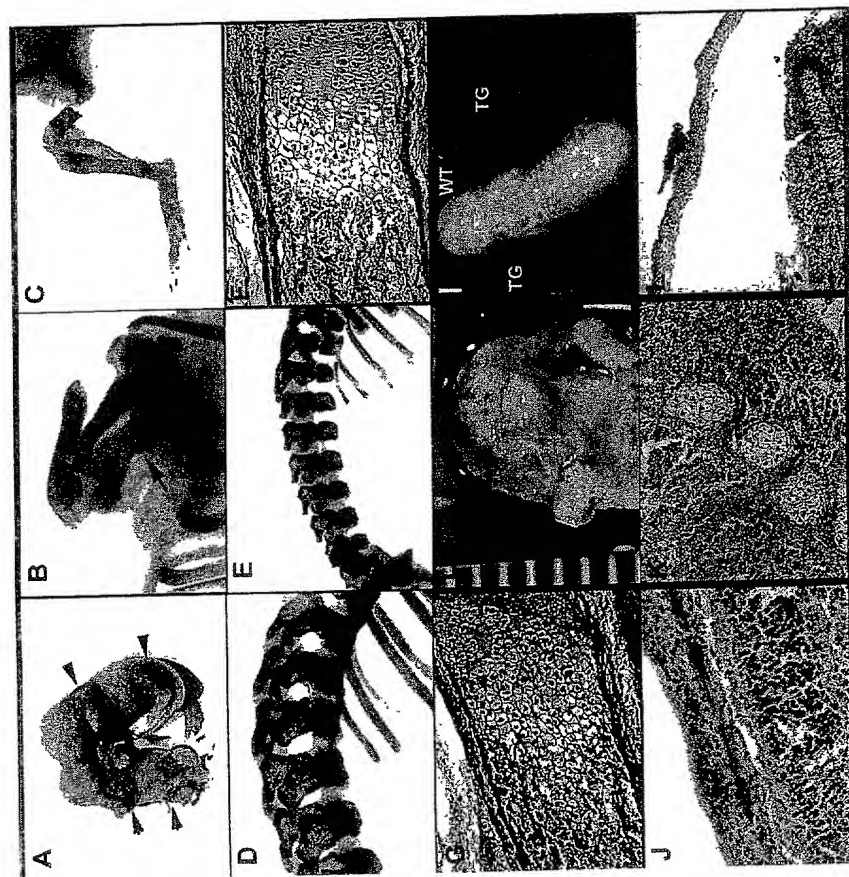


Figure 14



Figure 15



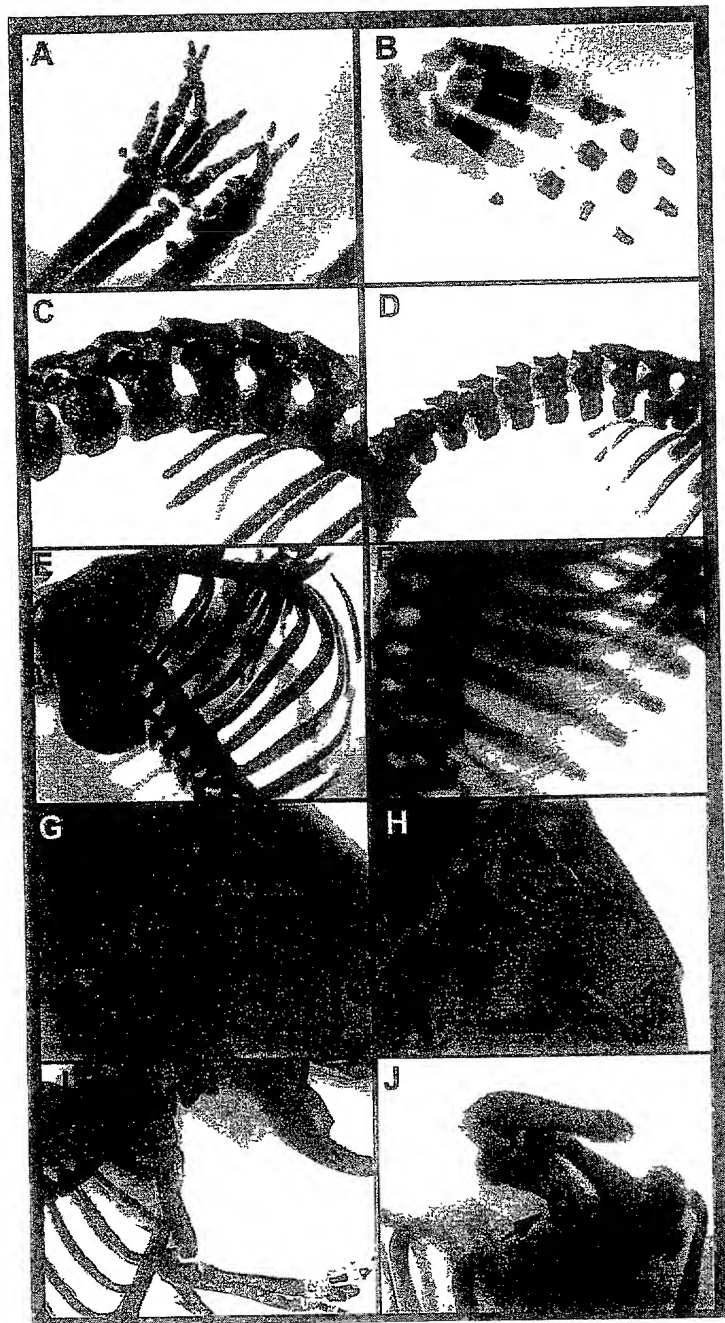


Figure 16

Figure 17

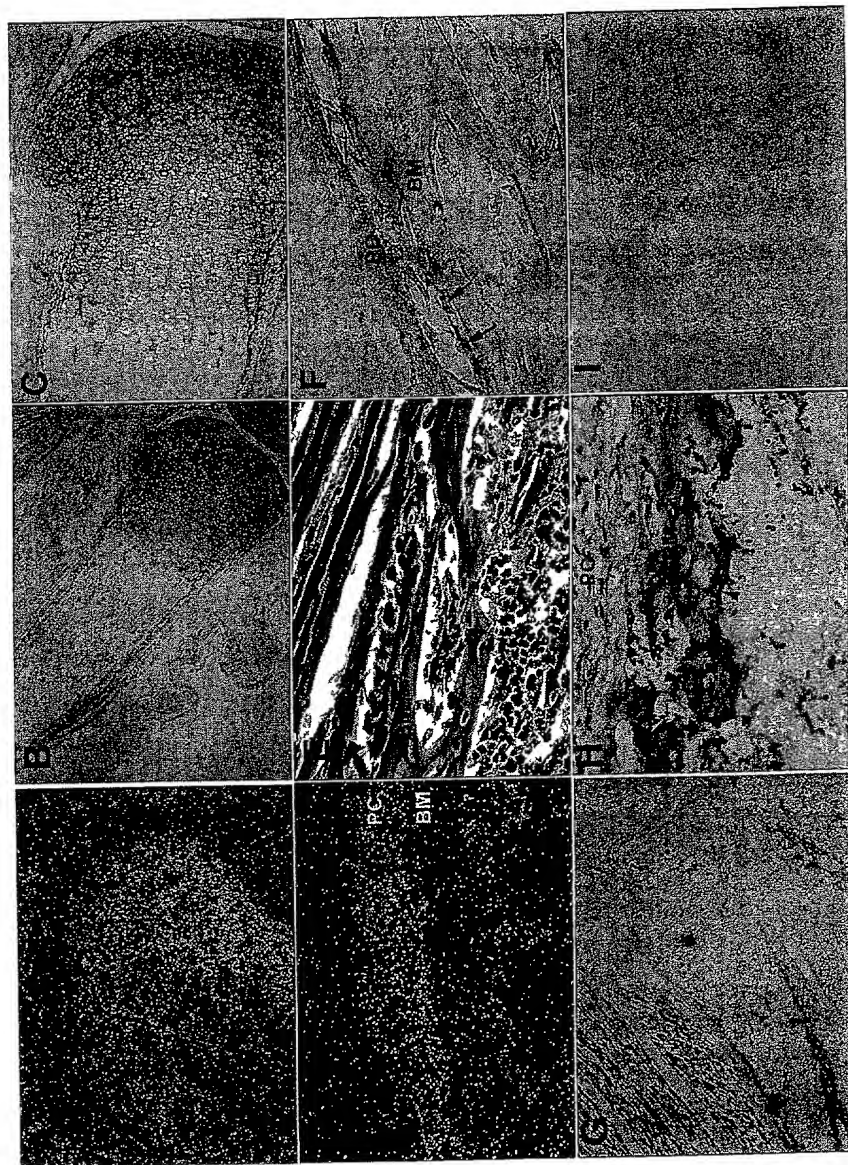
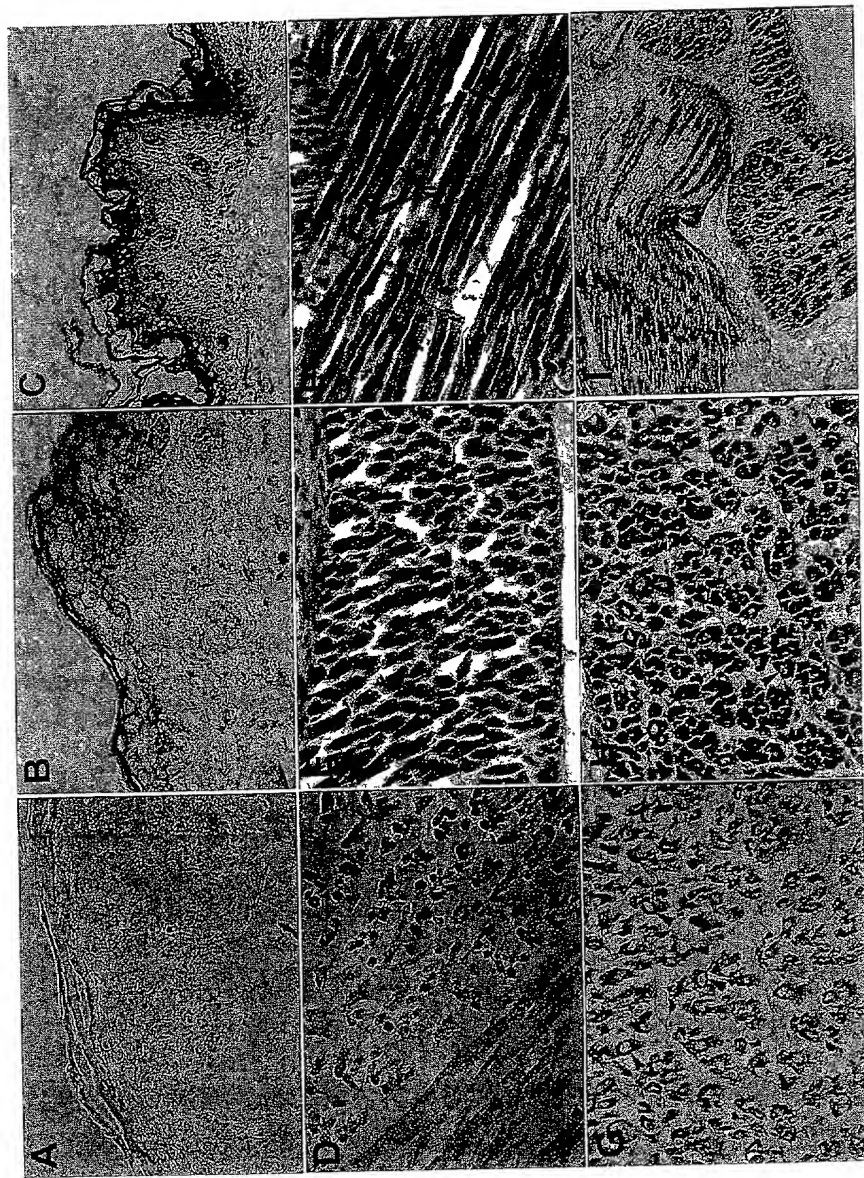


Figure 18



CCACCCAGUAGAAGCGUCUCCUUUGGGGUAUUCUGAACAGGUGCCGACCCAGAUGGCC  
 ACGUCUACCAGUCCAGCACCAAUCCCUUCACAGAGUCCUCCACGGAGGAAGUACGAU  
 GAAUAAUAAUAGUUGAAUUUAACUCAGGGCUUCCUUGGUCCAGAUAGAUGAUAGCUUC  
 AAUGGGAAGAGGUCCUGAACAUUCAGCUCCAUAUAAAGGUAAAAUACCAGCGUUGACAG  
 CAAGCAUCCUGCAUUUGAGCCGAAGCGAGCCACUGAACAGAACUCGAAGAGCGCUGU  
 UGGAUCGCAUCUUUGUGAAUGUACAUCUCCGCAAUUUCCCAAGAUUAUGCCAUAAUU  
 AAGUGAACUCCAUGAACACUGCUUGUAGUUUGGGGUCCAGGAUCCUCAAGCUU

Figure 19